

ABSTRACT

The present invention relates to composite detergent particles prepared by dry-blending detergent additive particles (a) comprising 30 to 100% by weight of two or more kinds of water-soluble substances, the detergent additive particles having an average particle size of from 150 to 600 μm , a bulk density of 300 to 1000 g/L, and wherein the detergent additive particles have a dissolution rate of 90% or more, as calculated by the Equation 1; and detergent particles (b) having an average particle size of from 150 to 600 μm and a bulk density of 300 to 1000 g/L, and comprising 10 to 50% by weight of a surfactant; and a granular detergent composition comprising 50 to 100% by weight of the composite detergent particles.

Since the present invention has excellent fast dissolubility, it has excellent distributivity when pouring water to a dispenser of a drum-type washing machine, a fully automatic washing machine, or the like.

Equation 1:

$$\text{Dissolution Rate (\%)} = \{1 - (T/S)\} \times 100$$

wherein S is a weight (g) of the detergent additive particles supplied; and

T is a dry weight of insoluble remnants on the sieve when an aqueous solution prepared is filtered with the sieve after stirring